



# Polycom® V<sup>2</sup>IU™ 4350 Series Converged Network Appliance



## Benefits

### Simplifies deployment issues

- All-in-one network and security solution for converged voice, video, data networks
- Offers either T1 or Ethernet WAN access router
- Integrated four-port managed Ethernet switch with VLAN support
- Embedded LAN side gatekeeper supporting up to 15 registrants

### Enhances security

- Secures voice and video devices
- Application layer gateway H.323 video, SIP, and MGCP voice that resolves NAT/firewall traversal issues
- Dynamic access control list simplifies setup + operation

### Optimizes video and voice quality

- Routes media shortest path
- Video and voice call admission control prevents congestion of priority traffic
- Traffic management: priority queuing, traffic shaping and diffserv marking/policing
- Supports up to 3 Mbps of traffic in any combination of voice, video, or data

## Connect any way you want with an all-in-one networking and security solution for your enterprise edge

The Polycom V<sup>2</sup>IU 4350 converged network appliance helps reduce costs by simplifying the deployment, management and security of converged video, voice and data networks. To begin with, it helps resolve NAT/firewall traversal issues by performing video and voice NAT at the public/private IP address boundary, which eliminates the security risks of other traversal methods that tunnel or “obscure” video and voice traffic from existing perimeter security.

The Polycom V<sup>2</sup>IU 4350 converged network appliance employs a stateful packet inspection firewall in combination with an application layer gateway, providing comprehensive application-aware security. This approach enables the Polycom V<sup>2</sup>IU 4350 converged network appliance to dynamically provision and close TCP and UDP ports as needed by video and voice endpoints.

Optimizing the quality of your video and voice calls is easy, as the Polycom V<sup>2</sup>IU 4350 converged network appliance routes video and voice traffic via the shortest path possible to minimize jitter, latency, and packet loss. At the same time, bandwidth not in use by video or voice is made available so that data traffic can burst up to full line rate, maximizing WAN bandwidth. It also maximizes access link utilization while optimizing video and voice quality using prioritization, traffic shaping, call admission control, and diffserv marking/policing.

For small and medium office connectivity, the Polycom V<sup>2</sup>IU 4350 converged network appliance provides an Ethernet WAN port and software-selectable, integrated T1 CSU/DSU interface. This allows you to use it either as your WAN access router, or install it behind an existing WAN access router.

### Make Great Things Happen with the Polycom V<sup>2</sup>IU 4350 Series Converged Network Appliance

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our award-winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you, too, can achieve great things with the Polycom V<sup>2</sup>IU 4350 series converged network appliance.



VideoVoiceDataWeb

# Polycom V<sup>2</sup>IU 4350 Series Converged Network Appliance Specifications

## WAN Interfaces

### T1

- Framing: ESF
- Line coding: B8ZS
- Line build out: 0,-7.5,-15dB

\* T1 is not available in all countries. Consult the Polycom price List for country availability.

### Ethernet

- 10/100 Mbps
- Auto-sensing, full or half duplex

## WAN Protocols

- PPP
- Frame relay
- HDLC

## LAN Interfaces

- 4 x 10/100 Mbps Ethernet ports
- Auto-sensing, full or half duplex
- Managed switch supports VLAN 802.1Q tagging and forwarding for up to 16 unique VLAN Ids

## Hardware

### Dimensions

- Height 1.7", Width 10", Depth 7"
- Weight: 2 lbs.

### Power

- External power brick: 12V, 3.0A

### Regulatory

- FCC Part 15 (Class B) and Part 68, UL, cUL, CE, Industry Canada ICES-003 and IC-CS03

## Management

- HTTP, HTTPS, SSH, Telnet, SNMPv1/v3
- Syslog support

## Software Features

### Video and Voice

- SIP, MGCP and H.323 application layer gateway enables a single public IP address to be used for multiple endpoints
- Shortest path routing for media optimizes video and voice quality
- Embedded LAN side gatekeeper supporting up to 25 registrants

### QoS

- Class based queuing/prioritization
- Diffserv marking and policing
- Traffic shaping
- Video and voice call admission control prevents oversubscription of priority queue

### Security

- Stateful packet inspection firewall
- Application layer gateway dynamically provisions and closes UDP ports used for video and voice calls
- IPSec: 3DES, SHA-1
- NAT/PAT server hides enterprise LAN topology
- VPN AES 128

### Passive Call Quality Monitoring (voice only)

- Per call statistics include mean opinion score (average and minimum), jitter, latency, packet loss and much more
- Alarms for poor MOS scores
- Active call count indicators

## Product ID

- 2583-62562-001

## Description

V<sup>2</sup>IU 4350-E3 NAT/ firewall traversal unit for small to medium enterprise locations. This model includes a four-port 10/100 Ethernet switch, integrated T1 CSU/DSU WAN interface, or 1x 10/100 Ethernet WAN interface with capacity of 3 mbps of traffic.

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Part No. 3726-17730-001 Rev. 05/07